

## ZeClinics is applying for a 2020 Torres Quevedo Industrial Fellowship

[ZeClinics](#) offers the opportunity for an experienced PhD to apply to the Torres Quevedo Industrial Fellowships, a program co-financed by [Plan Estatal de Investigación Científica y Técnica y de Innovación 2017-2020](#). The fellowship is for a three years period to develop a Research & Development project in ZeClinics, applied to industry Innovation in Data Science.

### Research Project

Nowadays, the biggest challenge for the pharmaceutical industry is to improve the models used for drug discovery during the preclinical phase. The traditional models fail in predictivity when they are confronted with human biology. To tackle this point, in this project we will use the zebrafish model and integrate transcriptomics data with phenotypic analyses, combined with publicly available information on clinical and chemical data points, to generate machine learning models with improved predictivity.

### Requirements

- PhD in data science, statistics, systems biology, computer science or a related quantitative field
- Deep knowledge of fundamentals, and the state-of-the art, in relevant areas of Machine Learning and Artificial Intelligence
- Experience in working with transcriptomics data and network analysis (some biological domain knowledge)
- Strong coding skills in python, ability to write reusable and well documented code
- Experience with cloud computing services (Google Cloud Platform or Amazon AWS)
- Familiarity with git
- Ability to work independently
- Great communication skills (fluency in english)

### Nice to have:

- Experience in state of the art natural language processing
- Experience in building and maintenance of databases
- Experience with docker containers
- Java coding skills

- Experience in a pharma industry environment

### What you will find at ZeClinics:

- A vibrant start-up environment (in escalation phase)
- The possibility to truly shape the future of the company
- A group of motivated and fun people
- Flexible working hours (both on-site and home-office are possible)

### The Offer

Duration: three years with possibility to make it permanent (previous TQ fellows remain at the company)

Estimated annual gross salary: 38K

Starting date: September 2021.

### Application Procedure

Please include **before December 31st 2020**:

- Cover letter addressed to Dr. Javier Terriente
- A full CV including contact details
- Two contacts for further references
- Successful candidates are expected to contribute to the proposal writing (Deadline February 16th).

All applications should be submitted to Dr. Javier Terriente ([javier.terriente@zeclinics.com](mailto:javier.terriente@zeclinics.com)), Sylvia Dyballa ([sylvia.dyballa@zeclinics.com](mailto:sylvia.dyballa@zeclinics.com)) and [hr@zeclinics.com](mailto:hr@zeclinics.com)